

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-29 (canceled)

30. (Currently Amended): An ex vivo culture of an isolated culture population of multipotent, progenitor or precursor human and mouse brain stem cells ~~containing a sub-population of cells that are immunonegative for glial fibrillary protein, nestin and TuJ1 when cultured under conditions that prevent or reduce cell-cell and cell-substrate interactions,~~

wherein the brain stem cells are from a mammal selected from the group consisting of human and mouse appear as phase-bright very dense bodies and exhibit areas of very small punctate staining interspersed with regions that lack staining when counter-stained with propidium iodide; and,

wherein the culture comprises Type II and Type III clones, that positively display markers for glial fibrillary acidic protein, nestin and TuJ1.

31. (Currently Amended): The isolated brain stem cells ex vivo culture of claim 30, wherein the cells are ~~from a human and the cells are~~ made according to a method comprising the step of culturing a dissociated human brain cell under conditions that inhibit cell-cell and cell-substrate interactions.

32. (Currently Amended): The isolated brain stem cells ex vivo culture of claim 31, wherein the step of culturing the dissociated human brain cell comprises culturing the dissociated human brain cell on a non-adhesive substrate in suspension culture supplemented with fetal bovine serum and methyl cellulose.

33. (Canceled).

34. (Canceled).

35. (Currently Amended): The ~~isolated brain stem cells~~ ex vivo culture of claim 30
[[33]], wherein the multipotent brain stem cells are cell-is a murine mouse cells.

36. (Currently Amended): The ~~isolated brain stem cells~~ ex vivo culture of claim 30,
wherein the multipotent brain stem cells are cell-is obtained from a post-mortem animal-subject
mammal selected from the group consisting of: human and mouse.

37. (Currently Amended): The ex vivo culture ~~isolated brain stem cells~~ of claim 30,
wherein the multipotent brain stem cells are cultured ~~ex vivo~~-in medium comprising insulin,
putrescine, progesterone, selenite, pituitary extract, transferrin, serum, growth factors, and at
least one contact-inhibiting factor[[s]], wherein said cultured cells are introduced into a tissue in an
~~animal-subject~~.

38. (Canceled).

39. (Canceled).